

Chemical Changes

- occurs when substances change into new substances
- they have new properties
- they cannot be reversed

Example

Wood burns to ash

Wood is flammable, has a high density

Ash is non flammable and has a low density

Ash cannot be turned back into wood.

Other Example

Eggs, milk, butter, oil flour and mix = cake

Milk turns sour = bacteria filled liquid

Copper reacts with oxygen, water = new green substance

Water + Alka-Seltzer Tablet = new liquid



Signs of Chemical Changes

- color change
- odor
- fizzing
- foaming
- heat given off
- light produced

Chemical Vs. Physical Change

Composition- the matter that makes up an object and how the matter is arranged

Chemical changes- change the composition of the
Object- new identity

Physical changes – does not change the
composition of the object- same
identity